

Appl. No. Serial No. 10/045,828  
Amtd. dated September 22, 2003  
Reply to Office action of April 16, 2003

This listing of claims will replace all prior versions, and listing, of claims in the application.

**Listing of Claims:**

**Claim 1 (currently amended):** A flame-retardant flexible tubing bundle construction, said tubing bundle extending in an axial direction along a central longitudinal axis to an indefinite length, and in a radial direction circumferentially about said longitudinal axis, said tubing bundle construction comprising:

one or more plastic tube members each extending axially along said longitudinal axis and being arranged with the other said tube members radially about said longitudinal axis to form a bundle;

at least one thermal transfer layer formed of a metal foil material surrounding said bundle of said tube members; and

at least one fire-resistant layer surrounding said thermal transfer layer, fire-resistant layer being formed of a fibrous material.

**Claim 2 (original):** The flame-retardant flexible tubing bundle construction of claim 1 wherein said tube members each is formed, independently, of a thermoplastic material selected from the group consisting of polyamides, polyolefins, silicones, fluoropolymers, polyvinyl chloride, polyurethanes, and copolymers and blends thereof.

**Claim 3 (cancelled).**

**Claim 4 (currently amended):** The flame-retardant flexible tubing bundle construction of claim 3 1 wherein said metal foil material is formed of a metal selected from the group consisting of aluminum, copper, brass, and alloys thereof.

**Claim 5 (currently amended):** The flame-retardant flexible tubing bundle construction of claim 3 1 wherein said metal foil material has a thickness of between about 1-2.5 mils (0.025-0.06 mm).

**Claim 6 (currently amended):** The flame-retardant flexible tubing bundle construction of claim 3 1 wherein said metal foil material is formed as a tape wrapped spirally about said bundle.

**Claim 7 (original):** The flame-retardant flexible tubing bundle construction of claim 1 wherein said fibrous material is formed of fibers selected from the group consisting of aramid fibers, azole fibers, and blends thereof.

**Claim 8 (original):** The flame-retardant flexible tubing bundle construction of claim 7 wherein said aramid fibers are selected from the group consisting of poly-paraphenylene terephthalamide fibers, poly(m-phenyleneisophthalamide) fibers, and blends thereof, and wherein said aramid fibers are selected from the group consisting of polyphenylene bezobisoxazole fibers, polybenzimidazole fibers, and blends thereof.

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Claim 9 (original): The flame-retardant flexible tubing bundle construction of claim 7 wherein said fibrous material is formed as a non-woven fabric.

Claim 10 (original): The flame-retardant flexible tubing bundle construction of claim 9 wherein said non-woven fabric is formed as a tape wrapped spirally about said thermal transfer layer.

Claim 11 (original): The flame-retardant flexible tubing bundle construction of claim 1 wherein said fibrous material has a Limiting Oxygen Index (LOI) of at least about 0.30.

Claim 12 (original): The flame-retardant flexible tubing bundle construction of claim 1 further comprising a moisture barrier layer surrounding said fire-resistant layer.

Claim 13 (original): The flame-retardant flexible tubing bundle of claim 12 wherein said moisture barrier layer is formed of a polymeric film.

Claim 14 (original): The flame-retardant flexible tubing bundle construction of claim 13 wherein said polymeric film is formed of a polymeric material selected from the group consisting of polyesters, polyimides, polyamides, polyolefins, silicones, fluoropolymers, polyvinyl chloride, polyurethanes, natural and synthetic rubbers, and copolymers and blends thereof.

Claim 15 (original): The flame-retardant flexible tubing bundle construction of claim 14 wherein said polymeric film is formed as a tape wrapped spirally about said fire retardant layer.

Claim 16 (currently amended): The hose flame-retardant flexible tubing bundle construction of claim 1 further comprising a jacket surrounding said fire-resistant layer.

Claim 17 (currently amended): The hose flame-retardant flexible tubing bundle construction of claim 16 wherein said jacket is formed of one or more layers of a polymeric material selected, independently, from the group consisting of polyurethanes, polyamides, polyolefins, silicones, polyvinyl chlorides, polyurethanes, and copolymers and blends thereof.

Claim 18 (original): The flame-retardant flexible tubing bundle construction of claim 1 wherein said thermal transfer layer has a thermal conductivity of at least about 0.14 W/m-°K.

Claims 19-31 (cancelled).